



June 2008

DEPARTMENT OF EDUCATION
2007–2008 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State standards known as *Learning Results*, adopted by the Maine Legislature in 1997. These *Learning Results* established goals for what all students should know and be able to do at certain times in their school careers and are the basis for Grade Level/Span Expectations, which describe the assessment standards for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind Act*.

The 2007-2008 MEA summary reports contain the results of student achievement in reading and mathematics at all grades, science and technology at grades 4 and 8, and writing at grade 5 based on achievement standards set in 2006 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. The grade 5 writing reports provide information on a student's ability to respond to a prompt measuring narrative writing. More information about the design of the MEA is available at www.maine.gov/education/mea/index.htm.

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the Maine Educational Assessment.

Sincerely,

Susan A. Gendron
Commissioner of Education



School Report Grade 4

Test Date: March 2008
Code: 11861450
SAU: Wiscasset School Department
School: Wiscasset Primary School

Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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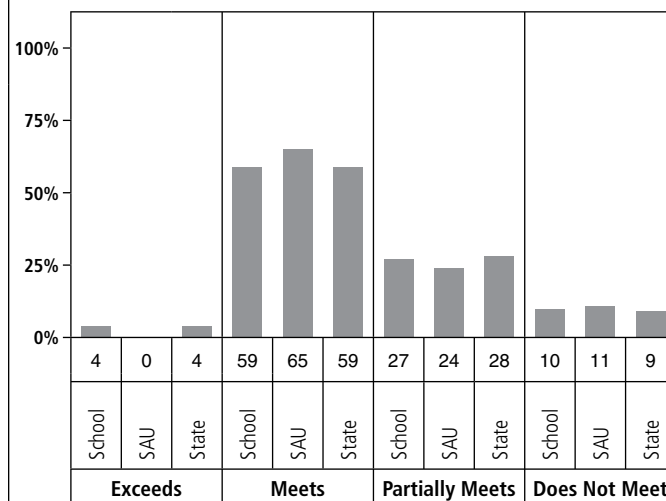
SUMMARY OF SCORES

Test Date: March 2008
Grade: 4
SAU: Wiscasset School Department
School: Wiscasset Primary School

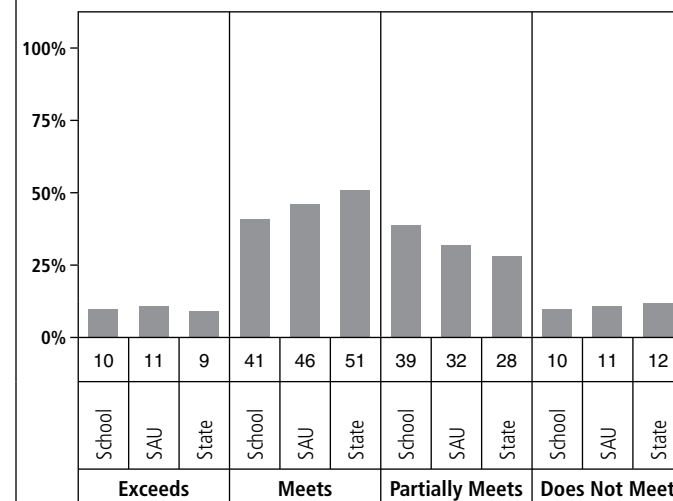
Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
ELA – Reading			
2005–2006	444	443	444
2006–2007	445	444	445
2007–2008	446	445	445
Cum. Avg. *	445	444	445
Mathematics			
2005–2006	446	444	444
2006–2007	443	443	445
2007–2008	443	444	445
Cum. Avg. *	444	444	445
Science & Technology			
2005–2006	445	444	444
2006–2007	442	441	444
2007–2008	442	441	444
Cum. Avg. *	443	442	444

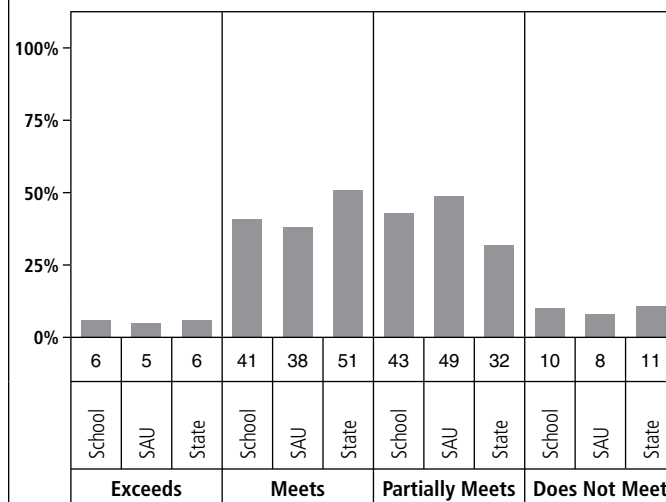
ELA – READING



MATHEMATICS



SCIENCE AND TECHNOLOGY



*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2008
 Grade: 4
 SAU: Wiscasset School Department
 School: Wiscasset Primary School

CATEGORY OF PARTICIPATION	Enrollment ¹ during testing window						CONTENT AREA PARTICIPATION ²																							
							ELA-Reading						Mathematics						Science and Technology						School			SAU		
	School		SAU		State		School		SAU		State		School		SAU		State													
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Total number of students	49	100	37	100	14207	100	49	100	37	100	14181	100	49	100	37	100	14123	100	49	100	37	100	14115	99						
Ethnicity African American/Black	0	0	0	0	390	3	0	0	0	0	388	99	0	0	0	0	388	99	0	0	0	0	386	99						
American Indian or Native Alaskan	0	0	0	0	101	1	0	0	0	0	101	100	0	0	0	0	101	100	0	0	0	0	101	100						
Asian or Pacific Islander	0	0	0	0	263	2	0	0	0	0	259	98	0	0	0	0	262	100	0	0	0	0	262	100						
Hispanic	2	4	2	5	170	1	2	100	2	100	168	99	2	100	2	100	166	98	2	100	2	100	166	98						
Caucasian/White	47	96	35	95	13282	93	47	100	35	100	13264	100	47	100	35	100	13205	100	47	100	35	100	13199	99						
Not Reported	0	0	0	0	1	0	0	0	0	0	1	100	0	0	0	0	1	100	0	0	0	0	1	100						
Identified disability	13	27	10	27	2524	18	13	100	10	100	2514	100	13	100	10	100	2498	99	13	100	10	100	2494	99						
Current LEP	1	2	1	3	385	3	1	100	1	100	377	98	1	100	1	100	383	99	1	100	1	100	380	99						
Economically disadvantaged	24	49	19	51	5587	39	24	100	19	100	5569	100	24	100	19	100	5538	99	24	100	19	100	5534	99						
Migrant	0	0	0	0	5	0	0	0	0	0	5	100	0	0	0	0	5	100	0	0	0	0	5	100						

MODE OF PARTICIPATION ³	ELA-Reading						Mathematics						Science and Technology											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
Participation without accommodations	34	69	26	70	10755	76	34	69	26	70	10730	76	34	69	26	70	10776	76						
Identified disability (PET/IEP)	1	3	1	4	375	3	1	3	1	4	374	3	1	3	1	4	384	4						
LEP	0	0	0	0	148	1	0	0	0	0	148	1	0	0	0	0	150	1						
504 plan	0	0	0	0	114	1	0	0	0	0	114	1	0	0	0	0	115	1						
Participation with accommodations	15	31	11	30	3298	23	15	31	11	30	3267	23	15	31	11	30	3215	23						
Identified disability (PET/IEP)	12	80	9	82	2013	61	12	80	9	82	1998	61	12	80	9	82	1986	62						
LEP	1	7	1	9	225	7	1	7	1	9	233	7	1	7	1	9	229	7						
504 plan	2	13	1	9	69	2	2	13	1	9	68	2	2	13	1	9	67	2						
Other	0	0	0	0	1046	32	0	0	0	0	1023	31	0	0	0	0	987	31						
Participation through alternate assessment (PAAP)	0	0	0	0	126	1	0	0	0	0	126	1	0	0	0	0	124	1						
Identified disability (PET/IEP)	0	0	0	0	126	100	0	0	0	0	126	100	0	0	0	0	124	100						
LEP	0	0	0	0	2	2	0	0	0	0	2	2	0	0	0	0	1	1						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
Approved non-participation in reading – 1st year LEP	0	0	0	0	2	0																		
Approved non-participation – special consideration	0	0	0	0	15	0	0	0	0	0	16	0	0	0	0	0	12	0						
Non-participation – other	0	0	0	0	11	0	0	0	0	0	68	0	0	0	0	0	80	1						

1 Percents are the percentage of students enrolled in each participation category.

2 Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

3 Percents are the percentage of students in each content area by mode.

ELA–READING RESULTS

Test Date: March 2008
Grade: 4
SAU: Wiscasset School Department
School: Wiscasset Primary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (scaled score 461–480)	2005-2006	0	0	0	0	601	4
	2006-2007	2	4	1	2	507	4
	2007-2008	2	4	0	0	559	4
	Cum. Total*	4	3	1	1	1667	4
Meets the Standards – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (scaled score 441–460)	2005-2006	30	70	23	68	7910	57
	2006-2007	40	71	33	75	8749	63
	2007-2008	29	59	24	65	8308	59
	Cum. Total*	99	67	80	70	24967	60
Partially Meets the Standards – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (scaled score 431–440)	2005-2006	9	21	7	21	3970	29
	2006-2007	8	14	6	14	3467	25
	2007-2008	13	27	9	24	3922	28
	Cum. Total*	30	20	22	19	11359	27
Does Not Meet the Standards – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (scaled score 400–430)	2005-2006	4	9	4	12	1421	10
	2006-2007	6	11	4	9	1165	8
	2007-2008	5	10	4	11	1264	9
	Cum. Total*	15	10	12	10	3850	9

Learning Results Content Standard Cluster	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Total Reading Cluster	48	100	30.3	63.1	30.3	63.1	29.7	61.9
Literary Text	24	50	15.9	66.3	16.0	66.7	15.5	64.6
Informational Text	24	50	14.4	60.0	14.3	59.6	14.2	59.2

The Maine *Learning Results* reading cluster includes Content Standards A (Process of Reading), B (Literature and Culture), and D (Informational Texts). The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Passages include both long and short texts, selected from developmentally appropriate works. Items on the MEA measure Grade Level Expectations, based on Maine’s 1997 *Learning Results*, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

ELA-READING RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: Wiscasset School Department
 School: Wiscasset Primary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	49	2	4	29	59	13	27	5	10	446	37	0	65	24	11	445	14053	4	59	28	9	445
Ethnicity																						
African American/Black	0										0						384	1	36	35	28	438
American Indian or Native Alaskan	0										0						101	1	46	44	10	442
Asian or Pacific Islander	0										0						259	6	61	22	11	445
Hispanic	2										2						164	0	45	38	16	440
Caucasian/White	47	2	4	27	57	13	28	5	11	446	35	0	63	26	11	445	13144	4	60	28	8	445
Not Reported	0										0						1					
Identified disability																						
Yes	13	0	0	1	8	7	54	5	38	434	10	0	10	50	40	435	2388	0	29	44	26	437
No	36	2	6	28	78	6	17	0	0	450	27	0	85	15	0	449	11665	5	65	25	6	446
Current LEP																						
Yes	1										1						373	1	32	35	32	436
No	48	2	4	28	58	13	27	5	10	446	36	0	64	25	11	446	13680	4	60	28	8	445
Economically disadvantaged																						
Yes	24	0	0	11	46	9	38	4	17	443	19	0	42	42	16	442	5502	1	47	37	14	441
No	25	2	8	18	72	4	16	1	4	449	18	0	89	6	6	449	8551	6	67	22	5	447
Migrant																						
Yes	0										0						5	0	40	60	0	445
No	49	2	4	29	59	13	27	5	10	446	37	0	65	24	11	445	14048	4	59	28	9	445
Gender																						
Female	23	1	4	13	57	8	35	1	4	446	18	0	56	39	6	445	6959	5	61	26	8	446
Male	26	1	4	16	62	5	19	4	15	446	19	0	74	11	16	446	7093	3	57	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	15	0	0	6	40	8	53	1	7	441	11	0	27	64	9	439	1890	0	37	46	17	439
No	34	2	6	23	68	5	15	4	12	448	26	0	81	8	12	448	12163	5	63	25	8	446
Gifted/talented program																						
Yes	0										0						266	21	74	4	0	456
No	49	2	4	29	59	13	27	5	10	446	37	0	65	24	11	445	13787	4	59	28	9	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

ELA–READING RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
Grade: 4
SAU: Wiscasset School Department
School: Wiscasset Primary School

QUESTIONNAIRE ITEMS	School										SAU						State						
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	
		%	N	%	N	%	N	%	N			%	%	%	%			%	%	%	%		%
How much homework do you do on school nights? A. none B. less than one hour C. one to two hours D. more than two hours	0 55 39 6										0 59 35 5						5 74 18 2	1 4 5 3	42 62 59 32	36 27 29 34	21 7 7 31	440 445 446 438	
How well do the questions that you have just been given on this MEA test match what you have learned in school about reading? A. The questions on the test match what I have learned in reading class. B. They match some of what I have learned. C. They match just a little of what I have learned. D. There is no match.																							
	12 57 24 6	0 2 0 0	0 7 0 0	4 19 4 2	67 68 33 67	1 7 5 0	17 25 42 0	1 0 3 1	17 0 25 33	446 449 440 442	14 54 27 5	0 0 0 0	60 80 30 100	20 20 40 0	20 0 30 0	444 449 439 448	30 52 12 5	6 4 2 0	63 63 46 33	24 27 37 40	7 6 15 26	446 446 441 437	
Which of the following best describes how you rate yourself as a student in reading? A. very good B. good C. fair D. poor																							
	41 35 22 2	2 0 0 0	10 0 0 0	12 13 4 0	60 76 36 0	5 3 5 0	25 18 45 0	1 1 2 1	5 6 18 100	448 448 440 430	32 41 27 0	0 0 0 0	75 73 40 0	17 20 40 0	8 7 20 0	446 448 441 0	35 51 12 2	7 3 1 0	66 60 44 23	20 29 40 47	6 7 16 30	448 445 440 436	
How hard was the reading part of this test? A. harder than my regular schoolwork B. about the same as my regular schoolwork C. easier than my regular schoolwork																							
	19 65 17	0 1 1	0 3 13	5 21 2	56 68 25	2 7 4	22 23 50	2 2 1	22 6 13	444 447 444	17 72 11	0 0 0	50 69 50	33 23 25	17 8 25	443 447 443	19 62 18	2 5 3	46 64 58	34 26 29	17 5 10	442 446 444	
How hard were the reading passages on this test? A. Most of the passages were more difficult than what I usually read. B. Most of the passages were about the same as what I usually read. C. Most of the passages were easier than what I usually read.																							
	22 57 22	0 0 2	0 0 20	2 19 6	20 73 60	6 5 1	60 19 10	2 2 1	20 8 10	437 447 451	17 66 17	0 0 0	33 70 83	50 22 0	17 9 17	441 447 446	14 52 33	0 3 7	32 62 68	46 28 20	22 7 5	438 445 448	
How much time do you spend reading at home each day? A. more than one hour B. 20 minutes to an hour C. less than 20 minutes D. I rarely read at home.																							
	17 48 23 13	2 0 0 0	25 0 0 0	4 16 6 2	50 70 55 33	1 5 5 2	13 22 45 33	1 2 0 2	13 9 0 33	450 446 446 438	8 56 25 11	0 0 0 0	67 75 44 50	0 15 56 25	33 10 0 25	439 447 446 440	18 55 14 13	7 4 2 1	64 64 53 44	22 26 33 39	7 6 12 16	447 446 443 441	
How many pages do you read in school and to complete homework assignments? A. five or fewer pages B. six to ten pages C. eleven or more pages																							
	17 17 66	0 0 2	0 0 6	3 4 22	38 50 71	3 3 5	38 38 16	2 1 2	25 13 6	443 443 448	19 19 61	0 0 0	43 57 77	43 29 14	14 14 9	445 445 446	23 25 52	3 3 5	50 60 64	34 29 24	13 8 6	442 444 446	
Optional school/SAU question A. B. C. D.																							
	0 50 25 25										0 50 50 0												
		0 0 0	0 0 0	1 1 1	50 100 100	1 0 0	50 0 0	0 0 0	0 0 0	447 452 448		0 0 0	0 100	100 0	0 0	440 452							

MATHEMATICS RESULTS

Test Date: March 2008
Grade: 4
SAU: Wiscasset School Department
School: Wiscasset Primary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (scaled score 461–480)	2005-2006	2	5	2	6	1294	9
	2006-2007	3	5	2	5	1054	8
	2007-2008	5	10	4	11	1321	9
	Cum. Total*	10	7	8	7	3669	9
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (scaled score 441–460)	2005-2006	26	60	18	53	7000	50
	2006-2007	27	48	21	48	7394	53
	2007-2008	20	41	17	46	7079	51
	Cum. Total*	73	49	56	49	21473	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (scaled score 429–440)	2005-2006	11	26	10	29	3784	27
	2006-2007	20	36	15	34	3729	27
	2007-2008	19	39	12	32	3955	28
	Cum. Total*	50	34	37	32	11468	27
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (scaled score 400–428)	2005-2006	4	9	4	12	1894	14
	2006-2007	6	11	6	14	1735	12
	2007-2008	5	10	4	11	1642	12
	Cum. Total*	15	10	14	12	5271	13

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Numbers and Operations	15	31	9.4	62.7	9.5	63.3	9.5	63.3
Cluster 2: Shape and Size	14	29	8.5	60.7	8.6	61.4	9.1	65.0
Cluster 3: Mathematical Decision Making	5	10	3.1	62.0	3.1	62.0	3.4	68.0
Cluster 4: Patterns	14	29	9.6	68.6	9.6	68.6	9.7	69.3

- Cluster 1: Numbers and Operations**
A. Numbers and Number Sense
B. Computation
I. Discrete Mathematics (grades 3 and 4 only)
- Cluster 2: Shape and Size**
E. Geometry
F. Measurement
- Cluster 3: Mathematical Decision Making**
C. Data Analysis and Statistics
D. Probability
- Cluster 4: Patterns**
G. Patterns, Relations, and Functions
H. Algebra Concepts
K. Mathematical Communication

Each content standard in the clusters above is defined in Maine’s 1997 *Learning Results*, which are the basis for Grade Level Expectations. Each item on the MEA measures a grade level expectation, which can be found at <http://www.maine.gov/education/lsalt/gles.htm>.

MATHEMATICS RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: Wiscasset School Department
 School: Wiscasset Primary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	49	5	10	20	41	19	39	5	10	443	37	11	46	32	11	444	13997	9	51	28	12	445
Ethnicity																						
African American/Black	0										0						386	4	26	34	36	434
American Indian or Native Alaskan	0										0						101	3	46	41	11	442
Asian or Pacific Islander	0										0						262	14	51	23	12	447
Hispanic	2										2						162	4	41	34	21	440
Caucasian/White	47	4	9	20	43	18	38	5	11	443	35	9	49	31	11	443	13085	10	51	28	11	446
Not Reported	0										0						1					
Identified disability																						
Yes	13	0	0	2	15	7	54	4	31	430	10	0	20	50	30	431	2372	3	31	36	30	436
No	36	5	14	18	50	12	33	1	3	448	27	15	56	26	4	448	11625	11	54	27	8	447
Current LEP																						
Yes	1										1						381	4	33	28	35	435
No	48	5	10	20	42	18	38	5	10	443	36	11	47	31	11	444	13616	10	51	28	11	445
Economically disadvantaged																						
Yes	24	1	4	6	25	13	54	4	17	438	19	5	26	47	21	437	5472	5	41	35	19	440
No	25	4	16	14	56	6	24	1	4	449	18	17	67	17	0	451	8525	13	56	24	7	448
Migrant																						
Yes	0										0						5	0	80	20	0	448
No	49	5	10	20	41	19	39	5	10	443	37	11	46	32	11	444	13992	9	51	28	12	445
Gender																						
Female	23	2	9	7	30	10	43	4	17	440	18	6	33	39	22	438	6933	9	50	29	12	445
Male	26	3	12	13	50	9	35	1	4	446	19	16	58	26	0	449	7063	10	51	27	11	446
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	15	0	0	3	20	10	67	2	13	437	11	0	18	64	18	435	1890	2	34	41	23	438
No	34	5	15	17	50	9	26	3	9	446	26	15	58	19	8	447	12107	11	53	26	10	446
Gifted/talented program																						
Yes	0										0						266	45	49	5	0	461
No	49	5	10	20	41	19	39	5	10	443	37	11	46	32	11	444	13731	9	51	29	12	445

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

MATHEMATICS RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 4
 SAU: Wiscasset School Department
 School: Wiscasset Primary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										0						5	6	34	33	27	438
B. less than one hour	55	4	15	12	44	8	30	3	11	444	59	14	50	23	14	444	74	10	52	28	10	446
C. one to two hours	39	1	5	7	37	10	53	1	5	443	35	8	38	46	8	443	18	10	52	28	10	446
D. more than two hours	6	0	0	1	33	1	33	1	33	438	5	0	50	50	0	448	2	5	33	28	34	436
How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?																						
A. The questions on the test match what I have learned in mathematics class.	24	3	25	4	33	5	42	0	0	451	24	22	33	44	0	449	38	13	56	23	8	448
B. They match some of what I have learned.	49	1	4	12	50	9	38	2	8	443	49	6	56	28	11	444	48	8	52	29	10	445
C. They match just a little of what I have learned.	22	1	9	4	36	5	45	1	9	441	22	13	50	38	0	446	10	4	35	39	22	439
D. There is no match.	4	0	0	0	0	0	0	2	100	410	5	0	0	0	100	410	4	2	25	33	40	433
Which of the following best describes how you rate yourself as a student in mathematics?																						
A. very good	41	4	20	7	35	7	35	2	10	447	38	21	43	29	7	449	35	16	55	20	8	449
B. good	43	0	0	11	52	8	38	2	10	440	43	0	56	31	13	440	48	7	52	31	11	445
C. fair	16	1	13	2	25	4	50	1	13	442	19	14	29	43	14	443	14	3	41	38	18	440
D. poor	0										0						3	1	29	36	34	435
How hard was the mathematics part of this test?																						
A. harder than my regular schoolwork	18	1	11	4	44	2	22	2	22	439	22	13	38	25	25	438	15	4	38	33	25	439
B. about the same as my regular schoolwork	53	1	4	12	46	11	42	2	8	443	51	5	53	32	11	443	64	10	54	28	9	446
C. easier than my regular schoolwork	29	3	21	4	29	6	43	1	7	447	27	20	40	40	0	449	21	13	52	24	11	447
How often do you use hands-on materials in mathematics class?																						
A. almost every day	22	0	0	6	55	4	36	1	9	443	24	0	67	33	0	446	23	8	47	29	16	443
B. two or three days a week	20	2	20	1	10	4	40	3	30	442	22	13	13	38	38	438	36	11	54	27	9	447
C. two or three times each month	20	0	0	4	40	5	50	1	10	439	24	0	44	44	11	439	25	10	53	27	10	446
D. never or almost never	37	3	17	9	50	6	33	0	0	447	30	27	55	18	0	451	16	9	46	32	13	444
How often do you use calculators in mathematics class?																						
A. almost every day	8	1	25	0	0	1	25	2	50	435	8	33	0	33	33	441	5	3	30	33	33	436
B. two or three days a week	6	0	0	0	0	1	33	2	67	423	5	0	0	0	100	414	19	8	50	30	12	445
C. two or three times each month	27	1	8	7	54	5	38	0	0	447	24	0	67	33	0	445	38	11	55	26	8	447
D. never or almost never	59	3	10	13	45	12	41	1	3	445	62	13	48	35	4	446	38	9	50	29	12	445
On average, how many minutes a day do you spend working on mathematics in class?																						
A. less than 30 minutes	16	1	13	2	25	4	50	1	13	444	14	20	40	40	0	452	8	3	33	38	25	438
B. 30–45 minutes	47	1	4	10	43	11	48	1	4	442	43	6	44	44	6	442	27	6	48	33	13	443
C. 45–60 minutes	29	3	21	7	50	3	21	1	7	448	32	17	58	17	8	446	38	11	54	26	9	447
D. more than 60 minutes	8	0	0	1	25	1	25	2	50	433	11	0	25	25	50	433	26	13	55	23	9	448
Optional school/SAU question																						
A.	0										0											
B.	50	0	0	1	50	1	50	0	0	447	50	0	0	100	0	440						
C.	25	0	0	1	100	0	0	0	0	460	50	0	100	0	0	460						
D.	25	0	0	0	0	1	100	0	0	440	0											

SCIENCE AND TECHNOLOGY RESULTS

Test Date: March 2008
Grade: 4
SAU: Wiscasset School Department
School: Wiscasset Primary School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
Exceeds the Standards – The student’s work demonstrates in-depth understanding of essential concepts in science, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information, analyze and solve difficult problems using the processes of scientific inquiry, and explain complex concepts using evidence and proper terminology to support and communicate logical conclusions. (scaled score 461–480)	2005-2006	1	2	0	0	751	5
	2006-2007	2	4	1	2	963	7
	2007-2008	3	6	2	5	882	6
	Cum. Total*	6	4	3	3	2596	6
Meets the Standards – The student’s work demonstrates a general understanding of essential concepts in science, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve routine problems using the processes of scientific inquiry and explain central concepts with sufficient clarity and accuracy to demonstrate general understanding. (scaled score 441–460)	2005-2006	27	63	20	59	7251	52
	2006-2007	23	41	20	45	6824	49
	2007-2008	20	41	14	38	7130	51
	Cum. Total*	70	47	54	47	21205	51
Partially Meets the Standards – The student’s work demonstrates incomplete understanding of essential concepts in science and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems using scientific inquiry but the quality of responses is inconsistent. Explanation of concepts may be incomplete or unclear. (scaled score 429–440)	2005-2006	13	30	13	38	4514	32
	2006-2007	20	36	12	27	4382	32
	2007-2008	21	43	18	49	4433	32
	Cum. Total*	54	36	43	37	13329	32
Does Not Meet the Standards – The student’s work demonstrates limited understanding of essential concepts in science and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and use the skills of scientific inquiry. There are many inaccuracies and explanations are illogical, incomplete, or missing. (scaled score 400–428)	2005-2006	2	5	1	3	1458	10
	2006-2007	11	20	11	25	1735	12
	2007-2008	5	10	3	8	1546	11
	Cum. Total*	18	12	15	13	4739	11

Learning Results Content Standard Clusters	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Cluster 1: Life Sciences	12	25	7.6	63.3	7.3	60.8	8.0	66.7
Cluster 2: Physical Sciences	12	25	6.7	55.8	6.8	56.7	7.2	60.0
Cluster 3: Earth and Space Sciences	12	25	7.3	60.8	7.0	58.3	7.4	61.7
Cluster 4: Nature and Implications of Science	12	25	7.6	63.3	7.5	62.5	7.6	63.3

Cluster 1: Life Sciences

- A. Classifying Life Forms
- B. Ecology
- C. Cells

Cluster 2: Physical Sciences

- E. Structure of Matter
- H. Energy
- I. Motion

Cluster 3: Earth and Space Sciences

- D. Continuity and Change
- F. The Earth
- G. The Universe

Cluster 4: Nature and Implications of Science

- J. Inquiry and Problem Solving
- K. Scientific Reasoning
- L. Communication
- M. Implications of Science & Technology

Each content standard in the clusters shown is defined in Maine’s 1997 *Learning Results*, which are the basis for science and technology Grade Span Expectations. Each item on the MEA measures a grade span expectation, which can be found at <http://www.maine.gov/education/lslat/gles.htm>.

SCIENCE AND TECHNOLOGY RESULTS

(CONTINUED)

Test Date: March 2008
 Grade: 4
 SAU: Wiscasset School Department
 School: Wiscasset Primary School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	49	3	6	20	41	21	43	5	10	442	37	5	38	49	8	441	13991	6	51	32	11	444
Ethnicity																						
African American/Black	0										0						385	2	27	35	36	434
American Indian or Native Alaskan	0										0						101	3	44	44	10	441
Asian or Pacific Islander	0										0						262	5	52	28	14	443
Hispanic	2										2						162	2	38	39	21	439
Caucasian/White	47	3	6	18	38	21	45	5	11	442	35	6	34	51	9	441	13080	7	52	31	10	444
Not Reported	0										0						1					
Identified disability																						
Yes	13	0	0	1	8	8	62	4	31	431	10	0	10	70	20	431	2370	2	32	41	25	437
No	36	3	8	19	53	13	36	1	3	446	27	7	48	41	4	445	11621	7	55	30	8	445
Current LEP																						
Yes	1										1						379	1	25	35	39	433
No	48	3	6	19	40	21	44	5	10	442	36	6	36	50	8	441	13612	6	52	32	10	444
Economically disadvantaged																						
Yes	24	0	0	8	33	12	50	4	17	438	19	0	26	58	16	437	5470	3	41	39	18	440
No	25	3	12	12	48	9	36	1	4	446	18	11	50	39	0	446	8521	9	57	27	7	446
Migrant																						
Yes	0										0						5	20	20	40	20	443
No	49	3	6	20	41	21	43	5	10	442	37	5	38	49	8	441	13986	6	51	32	11	444
Gender																						
Female	23	1	4	7	30	12	52	3	13	440	18	0	28	56	17	437	6929	6	49	33	12	443
Male	26	2	8	13	50	9	35	2	8	444	19	11	47	42	0	445	7061	7	53	30	10	444
Not Reported	0										0						1					
Title 1A targeted program																						
Yes	15	0	0	5	33	9	60	1	7	440	11	0	18	73	9	437	1888	1	32	44	23	437
No	34	3	9	15	44	12	35	4	12	444	26	8	46	38	8	443	12103	7	54	30	9	445
Gifted/talented program																						
Yes	0										0						266	30	65	5	1	457
No	49	3	6	20	41	21	43	5	10	442	37	5	38	49	8	441	13725	6	51	32	11	444

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

SCIENCE AND TECHNOLOGY RESULTS

(QUESTIONNAIRE ITEMS)

Test Date: March 2008
 Grade: 4
 SAU: Wiscasset School Department
 School: Wiscasset Primary School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
How much homework do you do on school nights?																						
A. none	0										0						5	4	37	36	22	439
B. less than one hour	55	3	11	11	41	9	33	4	15	443	59	9	36	41	14	441	74	6	53	31	10	444
C. one to two hours	39	0	0	8	42	11	58	0	0	443	35	0	38	62	0	442	18	7	52	32	8	445
D. more than two hours	6	0	0	1	33	1	33	1	33	437	5	0	50	50	0	441	2	4	31	33	32	437
How well do the questions that you have just been given on this MEA test match what you have learned in school about science?																						
A. The questions on the test match what I have learned in science class.	12	0	0	4	67	2	33	0	0	445	11	0	50	50	0	444	24	9	53	28	10	446
B. They match some of what I have learned.	37	1	6	7	39	9	50	1	6	442	38	0	36	57	7	439	49	6	54	31	9	445
C. They match just a little of what I have learned.	39	0	0	9	47	9	47	1	5	443	38	0	50	50	0	443	21	4	47	36	13	442
D. There is no match.	12	2	33	0	0	1	17	3	50	437	14	40	0	20	40	439	6	2	35	37	25	438
Which of the following best describes how you rate yourself as a student in science?																						
A. very good	20	0	0	4	40	4	40	2	20	442	16	0	33	50	17	441	25	9	53	27	10	446
B. good	55	2	7	10	37	15	56	0	0	443	54	5	30	65	0	441	54	6	55	30	9	445
C. fair	22	1	9	6	55	2	18	2	18	441	30	9	55	18	18	441	19	3	43	40	15	441
D. poor	2	0	0	0	0	0	0	1	100	426	0						3	2	28	42	29	435
How difficult was the science part of this test?																						
A. harder than my regular schoolwork	27	3	23	3	23	4	31	3	23	442	28	20	20	40	20	438	22	5	45	35	15	442
B. about the same as my regular schoolwork	52	0	0	14	56	11	44	0	0	444	53	0	47	53	0	443	62	7	53	31	9	445
C. easier than my regular schoolwork	21	0	0	3	30	6	60	1	10	440	19	0	43	57	0	442	16	7	52	28	13	444
How often do you have science classes?																						
A. every day	34	1	6	8	50	7	44	0	0	446	37	8	46	46	0	446	24	7	48	33	12	444
B. a few times a week	30	1	7	10	71	3	21	0	0	448	26	0	78	22	0	445	53	7	54	31	9	445
C. once a week	9	0	0	0	0	3	75	1	25	432	9	0	0	100	0	433	9	6	46	33	15	442
D. a few times a month	28	0	0	2	15	7	54	4	31	434	29	0	10	60	30	433	14	5	50	31	14	443
Which statement best describes how you learn science?																						
A. I mostly read a textbook and answer questions, and/or take notes and do assignments. I use science kits for demonstrations and experiments.	24	0	0	5	42	7	58	0	0	441	32	0	42	58	0	441	25	5	48	34	13	443
B. I work in groups to design and conduct experiments.	24	2	17	4	33	4	33	2	17	442	27	20	30	30	20	440	27	4	46	37	13	442
C. I do a combination of A and B, but mostly A.	12	1	17	3	50	2	33	0	0	454	8	0	67	33	0	450	26	7	56	28	8	445
D. I do a combination of A and B, but mostly B.	39	0	0	8	42	8	42	3	16	440	32	0	33	58	8	440	22	9	55	26	9	446
Optional school/SAU question																						
A.	0										0											
B.	50	0	0	1	50	1	50	0	0	446	50	0	0	100	0	438						
C.	25	0	0	1	100	0	0	0	0	460	50	0	100	0	0	460						
D.	25	0	0	1	100	0	0	0	0	448	0											